



Level 6,  
28 O'Connell Street  
Sydney NSW 2000  
GPO Box 4626, Sydney NSW 2001  
t. + 61 2 9048 8850  
e. [info@genexpower.com.au](mailto:info@genexpower.com.au)  
w. [www.genexpower.com.au](http://www.genexpower.com.au)

25 May 2020

**ASX Limited**

**Company Announcements Platform**

**Genex Power – Corporate Presentation**

**Market Eye's 'riding the wave of environmental change' conference**

Genex Power Limited (**ASX: GNX**) (**Genex** or the **Company**) is pleased to advise that Executive Director, Simon Kidston will be presenting the attached presentation at Market Eye's Virtual Conference on 'riding the wave of environmental change'.

The conference will be split into two sessions, with each session featuring presentations from CEOs and directors of four small-cap environmental and sustainability focused companies. Potential and current investors will have the opportunity to listen to the Company's presentation and partake in a Q&A session in a virtual environment.

Virtual conference details as follows:

<b>Theme</b>	<b>'Riding the wave of environmental change'</b>
<b>Time/date</b>	Session 1: 10:30 to 12 noon, Tuesday 26 <sup>th</sup> May 2020 (*GNX presenting at 11.35am)
<b>Registration</b>	Attendance is free. Please pre-register using the following link: <a href="https://us02web.zoom.us/webinar/register/WN_6DUZ-7khSQCEgXTwG_gcPw">https://us02web.zoom.us/webinar/register/WN_6DUZ-7khSQCEgXTwG_gcPw</a>

This announcement was approved by the full Board of Genex Power Limited.

**For more information about this announcement:****CONTACT:****Simon Kidston**

Executive Director

Tel: +61 2 9048 8852

Email: [sk@genexpower.com.au](mailto:sk@genexpower.com.au)**About Genex Power Limited**

Genex Power is a power generation development company listed on the ASX. The Company is focused on innovative clean energy generation and electricity storage solutions which deliver attractive commercial returns for shareholders. The Company has a development pipeline of up to 770MW of renewable energy generation and storage projects within its portfolio, underpinned by the Kidston Clean Energy Hub in far-north Queensland (**Kidston Hub**). The Kidston Hub is comprised of the operating 50MW Stage 1 Solar Project (**KS1**), the 250MW Pumped Storage Hydro Project (**K2-Hydro**) and the multi-staged integrated Solar Project of up to 270MW (**K2- Solar**) under development and the Kidston Stage 3 Wind Project of up to 150MW under feasibility. In addition, the Company has successfully acquired and financed the 50MW Jemalong Solar Project (**JSP**), located near Forbes in NSW, which is currently under construction.

Genex continues to acknowledge the support from the Federal Government, through the Australian Renewable Energy Agency (**ARENA**), which provided \$8.9 million in funding to support the construction of the KS1 Project, as well as their support of up to \$9 million in funding to support the development of the stage 2 projects. In addition to this, Genex acknowledges the Northern Australia Infrastructure Facility (**NAIF**) and their Investment decision to offer finance to K2-Hydro through the provision of a long term concessional NAIF debt facility for up to \$610 million. Genex also recognises the support of the Queensland State Government through providing a 20- year revenue support deed for KS1 and designating the Hub as 'Critical Infrastructure' to the State.



# Corporate Presentation

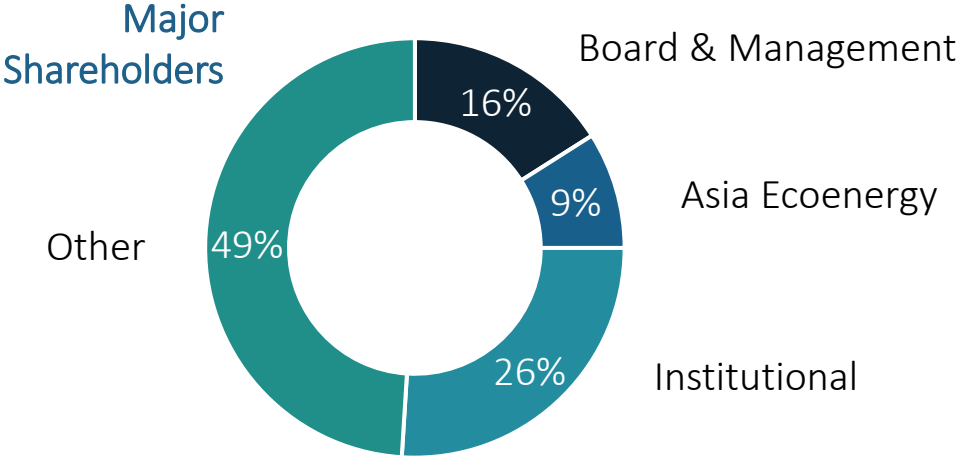
Market Eye's Virtual Conference Series – Riding the wave of environmental change



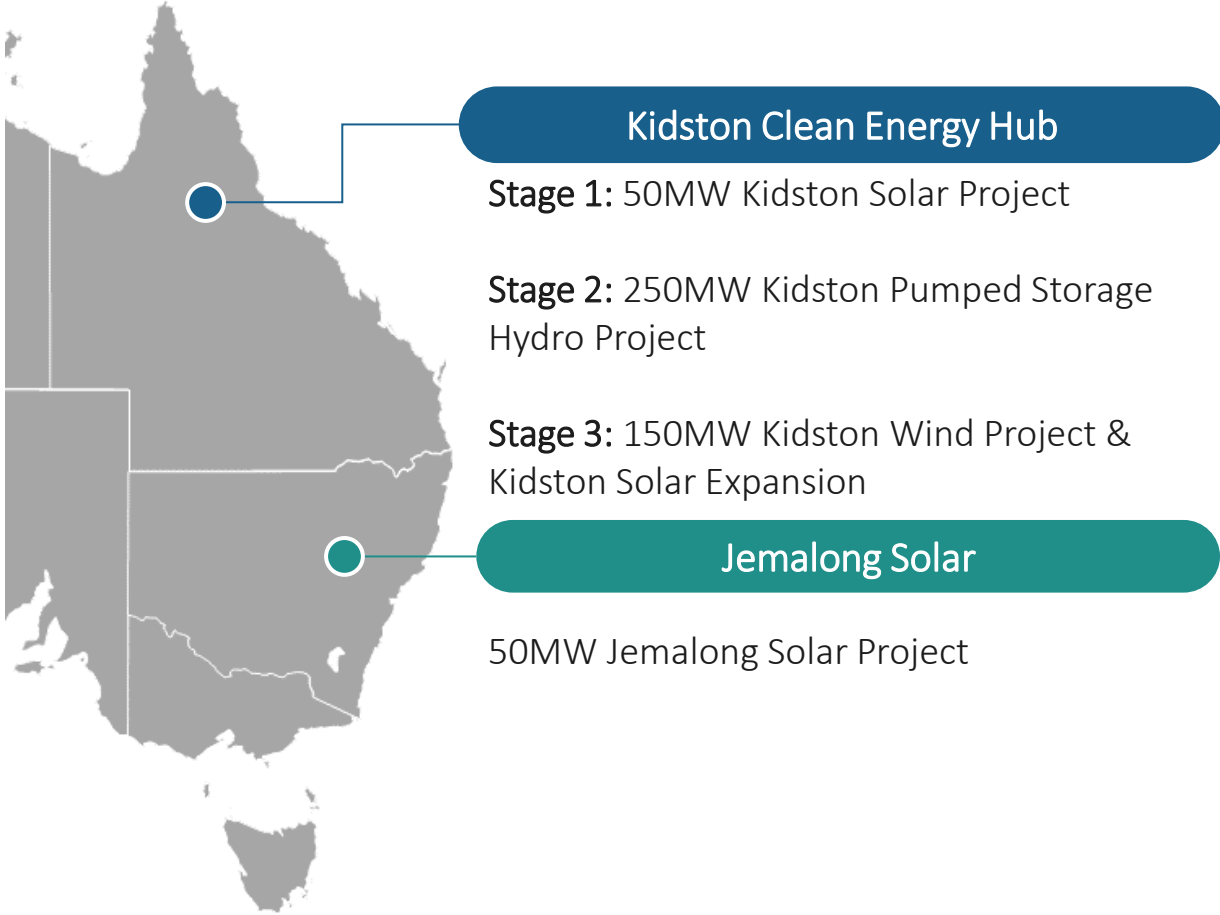
# Genex at a glance

## Renewable energy generation and energy storage

ASX code:	GNX
Shares on issue:	401.8M
Market cap (18.05.2020):	\$74M
Cash (31.03.2020):	\$24.3M
Favourable Tax Ruling <sup>1</sup> :	\$39.5M



1. Refer to the Company's ASX announcement dated 4 October 2016.



# Corporate portfolio



**Kidston Stage 1**  
50MW Solar Project

**Status**  
Production  
(since 2017)

**Counterparty**  
 **Queensland**  
Government

**Revenue Model**  
20-year Government Revenue Guarantee.  
Selling into National Energy Market



**Jemalong Solar**  
50MW Solar Project

**Status**  
Under Construction

**Counterparty**  
 **AEMO**  
AUSTRALIAN ENERGY MARKET OPERATOR

**Revenue Model**  
Merchant/Spot



**K2-Hydro**  
250MW Pumped Hydro Project

**Status**  
Development

**Counterparty**  
 **EnergyAustralia**

**Revenue Model**  
Long term rental over the pumped hydro  
assets



**K2-Solar**  
Up to 270MW Solar Project

**Status**  
Feasibility

**Counterparty**  
To be confirmed

**Revenue Model**  
To be confirmed















**Kidston Stage 3**  
150MW Wind Project

**Status**  
Feasibility

**Counterparty**  
To be confirmed

**Revenue Model**  
To be confirmed

# Genex – clean energy credentials

Clean Energy Production	Maximum Generation (Calendar Year)	Offsets CO <sub>2</sub> Production (Calendar Year)	Houses Powered (Calendar Year)
2020	 <b>KS1: 50MW – 145,000MWh</b>	 120,000t of CO <sub>2</sub>	 26,500
2021	 <b>KS1: 50MW –145,000MWh</b>	 226,510t of CO <sub>2</sub>	 50,000
	 <b>Jemalong: 50MW – 128,700MWh</b>		
2024	 <b>370MW – 1,056,700MWh</b>	 1,913,000t of CO <sub>2</sub>	 240,000
	 <b>250MW –730,000MWh</b>		
	 <b>150MW – 525,600MWh</b>		

Notes to the table:  
 Assumes KS1 is generating at full capacity; Assumes JSP is generating at full capacity; Assumes K2-Solar is built & generating at full capacity of 270MW;  
 Assumes K2-Hydro dispatches once a day; K3-Wind based on a typical wind farm in the region with a capacity factor of 40%; Assumes K2-Hydro pumps water using green energy.

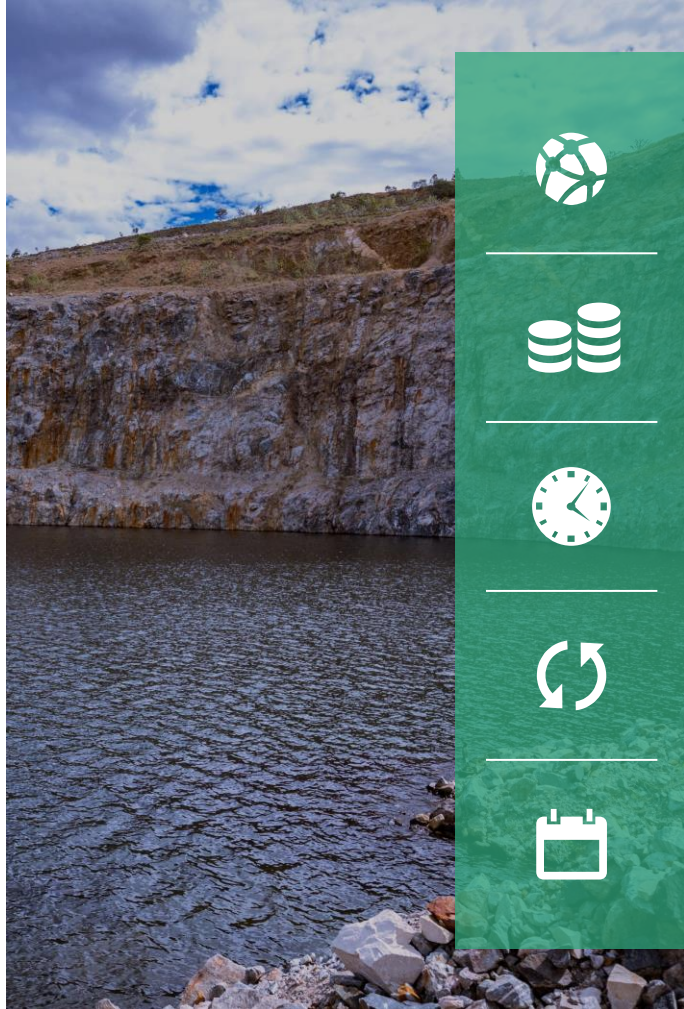




# Kidston Stage 2: 250MW Pumped Storage Hydro Project



# Pumped Storage Hydro



Mature technology – in use for over 130 years, with > 200 projects worldwide.



Lowest cost of energy storage available – 250MW Kidston Project with up to 8 hours of storage is ~15x more affordable than the cost of equivalent lithium-ion battery storage.



Peak power generator – able to dispatch into periods of high demand.



Can be integrated with renewables – perfect component to firm intermittent renewable generation.

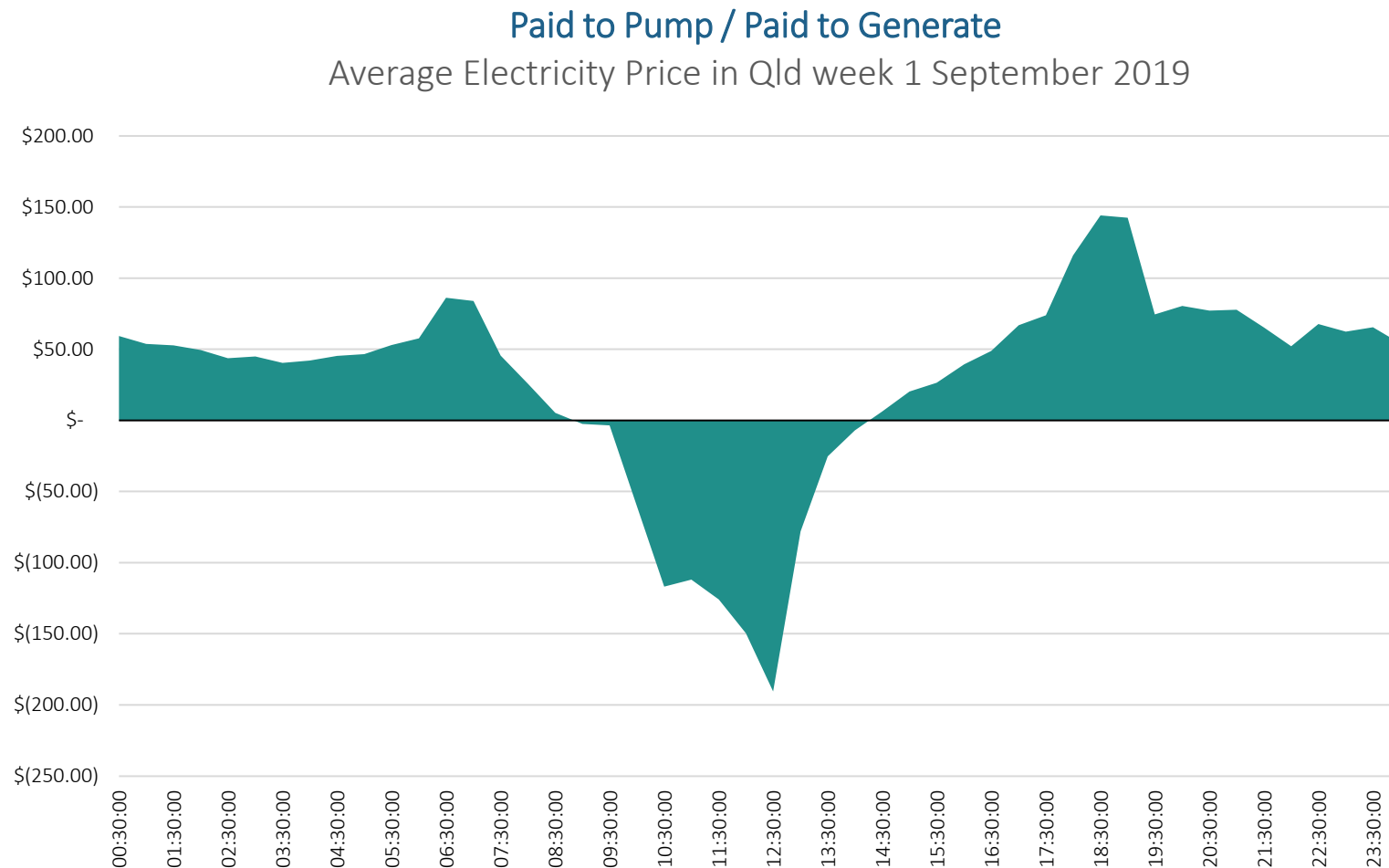


80+ year project lifespan.



# Evolving energy market – the need for storage

- Growth of intermittent wind & solar creating volatility in the market.
- Need for low-cost, large-scale storage to facilitate high penetration of renewables and maintain reliability requirements.
- 5-minute settlement in 2022 likely to increase price volatility.
- Pumped hydro can ramp up in under 30 seconds to dispatch into 5 min pricing (gas closer to 15 minutes from cold start).



# Hydro: Bigger IS better



96m

Big Ben - London



250m

Sydney Tower



300m

Eiffel Tower



310m

Genex – Eldridge pit

Volume: more than 250 Olympic size swimming pools per hour



# 250MW Kidston Pumped Storage Hydro Project



Utilising the two existing mining voids to significantly reduce capital expenditure (a world first):

- Mining voids are 42ha & 54ha; and
- Substantial rehabilitation after mine closure in 2001.



Strategic location given existing infrastructure.



Design optimized for up to 8 hours of peaking, dispatchable generation (2,000MWh).



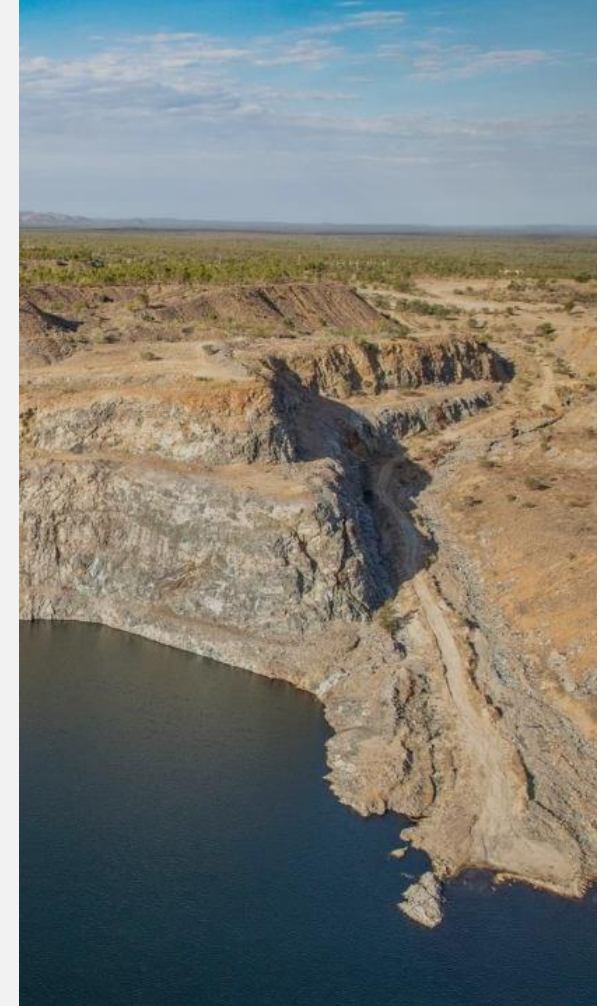
Water licence in place for external top-up if required.



Development of project and construction of power line will contribute to system strength and unlock additional wind and solar opportunities in the region.



Finalising arrangements with funding partners.



# Binding Energy Storage agreement with **EnergyAustralia**



EnergyAustralia (EA) has signed a Binding Energy Storage Services Agreement (ESSA) for the Kidston Hydro Project. The binding agreement significantly de-risks the development of the K2-Hydro Project. The key terms of the ESSA are:



- A term of up to 30 years with an initial 10 year period and two options (at EA's election) to extend for a further ten years each;



- Genex will provide full operational dispatch rights to EA in exchange for a fixed annual rental payment, escalating over the total term;



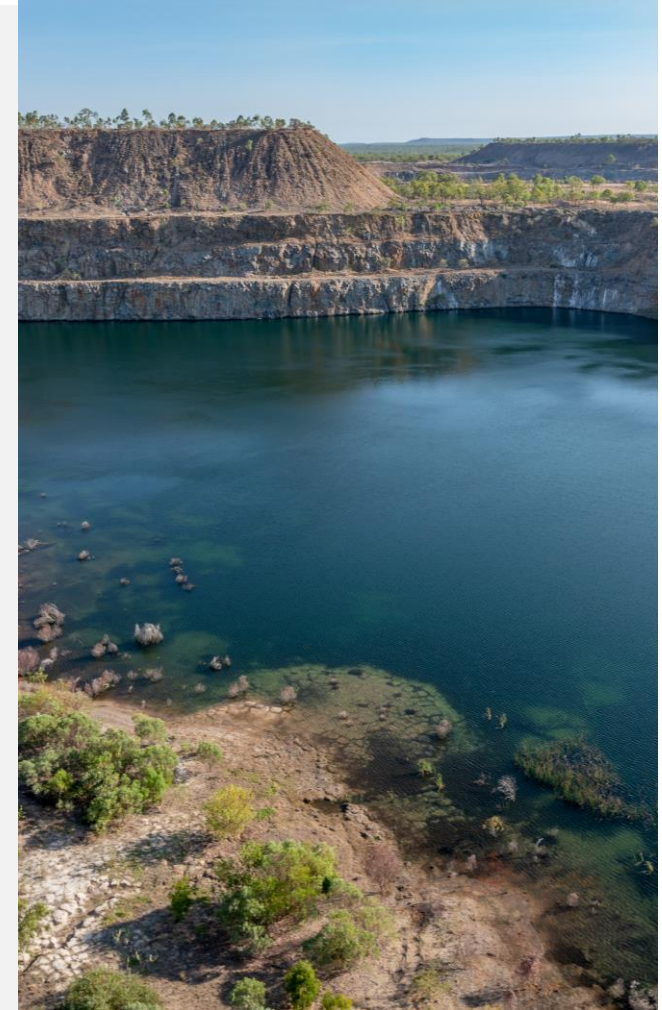
- Following the expiry of the full 30 year term, EA have the right to acquire Genex's shareholding in the K2-Hydro project for a fixed cash payment; and



- The ESSA is subject to a number of conditions precedent, including financial close, which must be satisfied prior to closure sunset date of 31 December 2020.



The signing of the ESSA reflects a significant step towards achieving financial close of the Kidston Hydro Project.





# 50MW Jemalong Solar Project



# 50MW Jemalong Solar Project

Located 26km south-west of Forbes, NSW.

Provides geographic diversity in GNX portfolio.

128,700MWh per annum forecast (P50).

Construction underway: Beon Energy Solutions EPC and O&M.

Project has a capacity factor of 29%.

30 year project lifespan.

Approximately 150,000 Jinko solar panels.

Expected to generate enough energy for up to 23,000 homes.

Potential to deliver a step change in revenue by Q4 CY2020.





# Kidston Stage 1: 50MW Kidston Solar



# 50MW Kidston Solar Project



Currently producing electricity into  
the National Electricity Market



145,000MWh per annum at  
full capacity



30-year project  
lifespan

## 20-year Revenue Support Deed with Queensland State Government

	FY2018	FY2019	FY2020 to 31 March	Cumulative
Generation (MWh)	52,220	126,759	87,917	266,896
Revenue (\$M)	8.27	10.82	7.7	26.79



Table 1. KS1 generation and revenue figures – 1 December 2017 to 31 March 2020.  
Notes to Table 1: Revenue comprised of energy and LGC sales up to and including 30 July 2018; Revenue from 1 Jan 2020 – 31 March is unaudited; and Queensland Government Revenue Support Deed commenced 31 July 2018 with LGC revenue reverting to the Govt. from that date.



# Pipeline Projects



# Pipeline Projects – Kidston Wind and Solar



Artist's impression



150MW Kidston Wind Project (K3-Wind).



Up to 270MW Kidston Solar expansion (K2-Solar).



Dispatchable renewable energy on demand 24/7.



Leverage existing infrastructure and co-location advantages.



Land option secured.



Feasibility studies underway.



Good solar and wind resource.



Kidston Clean Energy Hub.



# Outlook



# Outlook



## KS1

- Steady state cash flow supported by long term contract.

## K2 Hydro



- On track to be first pumped hydro project developed since 1980s.
- Critical infrastructure for Queensland Government to reach their renewable energy target in 2030.
- Stakeholder commitment from EnergyAustralia, J-POWER and NAIF.
- Shovel ready.
- Construction to start CY2020.

## Jemalong cash flow CY2020

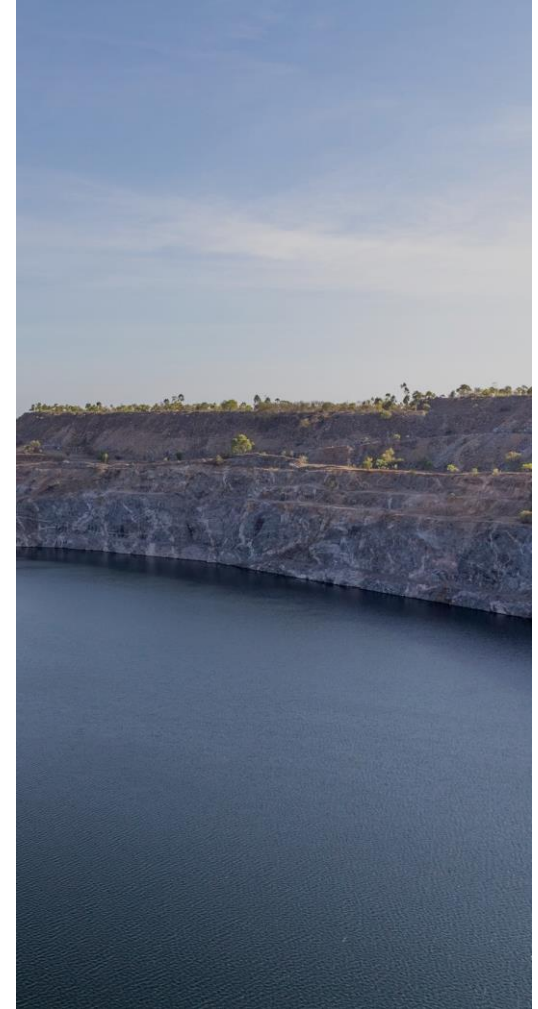


- Construction underway. Focus on project completion Q4 2020.
- Should deliver a step change to the company's revenues once fully operational.
- Potential to contract revenues in due course.

## Corporate



- Financing and management in place to execute on growth strategy.







## Contact

Simon Kidston (Executive Director)

Tel: +612 9048 8852

Mob: 0414 785 009

Email: [sk@genexpower.com.au](mailto:sk@genexpower.com.au)



# Board and Management



**Dr. Ralph Craven (Chairman)**

- Former Chairman of Stanwell Corporation
- Director of Senex and AusNet Services
- Former Chairman of Ergon Energy
- Former CEO of Transpower New Zealand



**Simon Kidston (Executive Director)**

- Founder of EndoCoal and Carabella
- Former banker with HSBC, Macquarie, Helmsec



**Ben Guo (Finance Director)**

- 13 years finance and accounting experience with PWC, E&Y, Helmsec and Carabella Resources



**Michael Addison (Director)**

- Founder of EndoCoal and Carabella
- Water Engineer with extensive finance experience



**Teresa Dyson (Non-Executive Director)**

- Director of Energy Queensland, Seven West Media & Energy Super, Power & Water Corporation
- Former Partner of Ashurst & Deloitte
- Member of FIRB and Takeovers Panel



**Yongqing Yu (Non-Executive Director)**

- Engineering background with extensive global hydro experience
- Vice Chairman of Zhefu



**James Harding (Chief Executive Officer)**

- 30 years experience in international project business
- Former head of Business Development in Abengoa Solar Power Australia & General Manager of Renewables with IPS Australia and MAN Ferrostaal



**Arran McGhie (Chief Operations Officer)**

- 20 years experience in senior project management roles for underground excavation and civil construction projects
- Management roles with Lend Lease, John Holland, CPB Contractors and Thies



**Justin Clyne (Company Secretary)**

- 15 years experience in the legal sector
- 13 years experience as a corporate governance specialist
- Director and Secretary of a number of listed & unlisted public companies



**Craig Francis (General Manager - Commercial Finance)**

- Over 10 years investment banking and finance experience in Australia and the UK focusing on the energy and natural resources sectors



**Wendy Moloney (Business Development Manager)**

- Over 12 years experience in feasibility, acquisition, financing, delivery and operations of renewable energy projects in Australia and the UK



**Harrison Holihan (Commercial Manager)**

- Bachelor of Science (Psych) – University of Sydney
- Undergraduate Certificate – Oxford University
- Masters in Environmental Science – Harvard University (Active)



# Disclaimer – May 2020

This document has been prepared by Genex Power Limited (“Genex” or “Company”) for the purpose of providing a company and technical overview to interested analysts/investors. None of Genex, nor any of its related bodies corporate, their respective directors, partners, employees or advisers or any other person (“Relevant Parties”) makes any representations or warranty to, or takes responsibility for, the accuracy, reliability or completeness of the information contained in this document to the recipient of this document (“Recipient”) and nothing contained in it is or may be relied upon as, a promise or representation, whether as to the past or future.

The information in this document does not purport to be complete nor does it contain all the information that would be required in a disclosure statement or prospectus prepared in accordance with the Corporations Act 2001 (Commonwealth). It should be read in conjunction with Genex’s other periodic releases.

This document is not a recommendation to acquire Genex shares and has been prepared without taking into account the objectives, financial situation or needs of individuals. Before making an investment decision prospective investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs and seek appropriate advice, including financial, legal and taxation advice appropriate to their jurisdiction. Except to the extent prohibited by law, the Relevant Parties disclaim all liability that may otherwise arise due to any of this information being inaccurate or incomplete. By obtaining this document, the Recipient releases the Relevant Parties from liability to the Recipient for any loss or damage that it may suffer or incur arising directly or indirectly out of or in connection with any use of or reliance on any of this information, whether such liability arises in contract, tort (including negligence) or otherwise.

This document contains certain “forward-looking statements”. The words “forecast”, “estimate”, “like”, “anticipate”, “project”, “opinion”, “should”, “could”, “may”, “target” and other similar expressions are intended to identify forward looking statements. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. You are cautioned not to place undue reliance on forward looking statements. Although due care and attention has been used in the preparation of forward looking statements, such statements, opinions and estimates are based on assumptions and contingencies that are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking statements including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance.

Recipients of the document must make their own independent investigations, consideration and evaluation. By accepting this document, the Recipient agrees that if it proceeds further with its investigations, consideration or evaluation of investing in the Company it will make and rely solely upon its own investigations and inquiries and will not in any way rely upon this document.

This document is not and should not be considered to form any offer or an invitation to acquire Genex shares or any other financial products, and neither this document nor any of its contents will form the basis of any contract or commitment. In particular, this document does not constitute any part of any offer to sell, or the solicitation of an offer to buy, any securities in the United States or to, or for the account or benefit of any “US person” as defined in Regulation S under the US Securities Act of 1993 (“Securities Act”). Genex shares have not been, and will not be, registered under the Securities Act or the securities laws of any state or other jurisdiction of the United States, and may not be offered or sold in the United States or to any US person without being so registered.

# K2-Hydro – Status of Counterparties



## Energy offtake

- Energy Storage Services Agreement signed with EnergyAustralia.



## Genex equity investor

- MOU signed for equity investment in Genex Power.



## EPC Contractor/supplier of pump turbines

- Binding EPC Contract ready to execute, Early Works Stage 1 completed, pricing being revalidated.



## Federal Government

*Sole lender providing up to \$610 million of long-term, concessional debt.*

- Final Board Investment Decision granted, preparing to resubmit based on revised offtake arrangement.



## Federal Government Grant Body

- Discussions being finalised.



## Queensland Government

*Construct and operate 275kV transmission line from Kidston to Mt Fox.*

- Offer to Connect submitted, GPS approved, pricing being revalidated.



**Queensland  
Government**

## Treasury/DNRME – co-funding of Transmission line

- Discussions well advanced, to be concluded as a priority.



# Legacy topography assists the project

- A

 Reversible pump turbines
- B

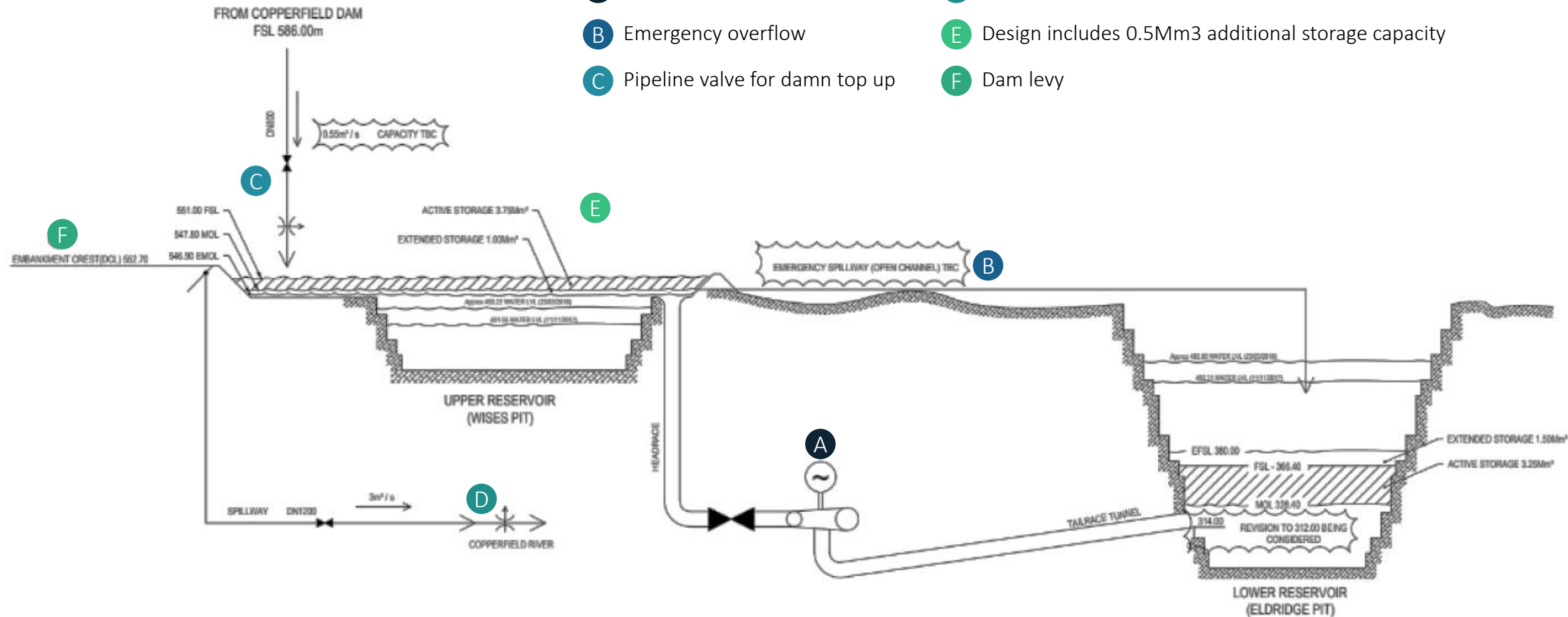
 Emergency overflow
- C

 Pipeline valve for damn top up
- D

 Spillway to drain excess water (after rainfall events)
- E

 Design includes 0.5Mm3 additional storage capacity
- F

 Dam levy



\* Not to scale

# Kidston: Benefits to Northern Queensland – support local businesses



First pumped storage hydro project in Australia for 40 years:

- Third largest pumped storage in Australia; and
- Global first in repurposing of an abandoned mine.

Critical contribution to grid stabilisation in North Queensland.

Shovel ready project – construction anticipated to start 2020, operational in 2024.

500+ direct construction jobs:

- Unlocking additional solar and wind, with another 500+ jobs in the same timeframe.

Strong local economic benefits:

- Local employment in Kidston, Einasleigh and surrounding area;
- Support local businesses; and
- Townsville: base for FIFO, port gateway for imported equipment.